

**APPENDIX A: Petroleum Spills from Federal OCS Facilities of 50 bbl or Greater Resulting
from Damages Caused by Hurricanes Katrina and Rita in 2005**

8/8/2006

Hurricane	Area Block	Structure	Lease	Total Petroleum (bbl)	Crude Oil & Condensate (bbl)	Refined Petroleum (bbl)	Products	Operator	Damage	Distance Miles	Depth Feet
R	EC 272	Platform A	G02047	66.7	-	66.7	67 bbl JP-5 Aviation Fuel, 1 bbl Demulsifier	Chevron U.S.A. Inc.	Platform toppled/ destroyed	79	182
R	EC 322	Platform A	G02254	659.4	582.0	77.4	582 bbl Crude Oil, 36 bbl Diesel, 28 bbl Aviation Fuel, 13 bbl Motor Oil	Pioneer Natural Resources	Platform toppled/ destroyed. Platform wells A-1 and A-28 also toppled. Damaged storage tank and production vessels.	95	230
R	EC 346	Drill Rig Rowan Halifax	G06655	373.0	-	373.0	364.7 bbl Diesel, 8.3 bbl Other Petroleum	Remington Oil & Gas Corporation	Jack-up rig toppled/ destroyed. Legs collapsed, drilling package found 800 yards from original location still in EC 346.	111	305
R	EI 051	Segment #1844 GAS Pipeline 14"x4" Subsea Tie-In	00078	1,812.3	1,812.3	-	1,812 bbl Condensate & 2,510 mcf Natural Gas.	Gulf South Pipeline Company	Suspect pipeline subsea tie-in was damaged by drifting vessel or vessel moorings. SEE NOTE IMMEDIATELY BELOW ON VOLUME ESTIMATE.	20	17
R	EI 095	Segment #4754 GAS Pipeline 10"x10" Subsea Tie-In	00046	1,550.5	1,550.5	-	1,550 bbl Condensate & 2,148 mcf Natural Gas.	Gulf South Pipeline Company	Suspect pipeline subsea tie-in was damaged by drifting vessel or vessel moorings. SEE NOTE IMMEDIATELY BELOW ON VOLUME ESTIMATE.	24	17
NOTE: GULF SOUTH PIPELINE EUGENE ISLAND VOLUME ESTIMATES. It is not possible to develop precise spill estimates for the two Gulf South Pipeline segments. It is unknown as to what percent capacity the pipelines were operating at prior to Hurricane Rita as there are 9 separate injection points on these two phase pipelines that terminate at Gulf South Pipeline's Burns Point Facility. "Worst Case" estimates of 100% capacity and 100% loss were on the order of 3,000 bbl each. It is likely that only a fraction (rather than 100%) of the contents were released through the cracks until there was no pressure in the line, followed by slow exchange of oil and seawater. Despite the significant level of over flight activity and dozens of NRC reports for locations elsewhere within the Eugene Island Area (10 for the Forest Oil EI 314J platform that lost 2,000 bbl) after Hurricane Rita -- there were no NRC reports of sheens coming from the EI 51 or the EI 95 areas. Also, substantial volumes of condensate remained in the pipelines after the storm. MMS has assumed that 50% of the "worst case" estimate would generate more realistic proxies for the losses. It is likely, based on professional opinion, that the releases were at least 100 bbl each, but the estimates of 1,812 bbl and 1,550 bbl are likely to be overestimates of the condensate actually lost.											
R	EI 294	Platform A	G03569	76.6	44.0	32.6	44 bbl Condensate, 18 bbl Engine Oil, 12 bbl Diesel, 3 bbl Hydraulic Oil	B.T. Operating Company	Platform toppled/ destroyed. Vessels and equipment not yet recovered (Feb.2006).	73	204
R	EI 314	Platform J	G01981	2,000.0	2,000.0	-	2,000 bbl Condensate	Forest Oil Corporation	Platform toppled/destroyed. Discovered holes in conductor strings for wells A-2 & A-6. Ongoing pollution was contained with a pollution dome and make-shift sump.	78	230
R	EI 330	Platform S	G02115	181.0	150.0	31.0	150 bbl Crude Oil, 31 bbl Lube Oil	Devon Energy Production Company	Platform toppled/ destroyed. Sealed containers and process tank lost with facility, salvage pending (July 2006).	82	254
R	EI 333	Platform A	G02317	188.0	150.0	38.0	150 bbl Condensate, 26 bbl Lube Oil, 12 bbl Diesel	Devon Energy Production Company	Platform toppled/ destroyed. Condensate and diesel storage tanks and sealed containers lost with facility, salvage pending (July 2006).	80	231
R	EI 397	Platform A	G15271	100.8	100.8	-	101 bbl Crude Oil	W & T Offshore Inc.	Storage tank cracked.	112	472
USCG SPILL SIZES			MINOR	Under 10,000 gal (< 238 bbl)		MEDIUM	10,000 gal to < 100,000 gal (238 bbl to < 2,381 bbl)	MAJOR	100,000 gal (2,381 bbl) and Greater		

**APPENDIX A: Petroleum Spills from Federal OCS Facilities of 50 bbl or Greater Resulting
from Damages Caused by Hurricanes Katrina and Rita in 2005**

8/8/2006

Hurricane	Area Block	Structure	Lease	Total Petroleum (bbl)	Crude Oil & Condensate (bbl)	Refined Petroleum (bbl)	Products	Operator	Damage	Distance Miles	Depth Feet
R	GC 237	Platform A Typhoon	G15563	614.2	536.4	77.8	536 bbl Crude Oil, 2 bbl Diesel & Turbine Oil, 43 bbl Lube Oil, 22 bbl Hydraulic Oil, 11 bbl Other Petroleum	Chevron U.S.A. Inc.	Mini Tension Leg Platform (MTLP) inverted/ destroyed. Decommissioned, towed to EI 367, and sunk to become artificial reef.	92	2,107
K	GI 040	Platform B	00128	242.0	242.0	-	242 bbl Hydrocarbons from topside	BP America Production Company	Platform destroyed.	14	83
K	GI 040	Platform F	00128	141.0	141.0	-	141 bbl Hydrocarbons from topside	BP America Production Company	Platform destroyed.	14	86
K	GI 041	Platform A	00129	204.1	204.1	-	204 bbl Hydrocarbons from topside	BP America Production Company	Platform destroyed.	17	91
K	MC 109	Segment #9347 8" OIL pipeline	G05825	2,000.0	2,000.0	-	100 to 2,000 bbl Crude Oil may have been lost. BP investigation started July 2006	BP Exploration & Production, Inc.	Segment #9347 to MC 109 A-Amberjack platform found severed 7/27/2006. Damage occurred during Hurricane Katrina. Estimated crude loss 100 to 2,000 bbl -- BP will investigate further.	18	1,000
K	MC 194	Platform A Cognac	G02638	325.0	325.0	-	325 bbl Crude Oil	Shell Offshore Inc.	1/2" needle valves sheared off downstream of oil Sales Tank due to waves striking the platform causing extensive damage. Drain system damaged.	15	1,023
K	MP 185	Drill Rig Rowan New Orleans	G25033	380.2	-	380.2	380 bbl Diesel	Magnum Hunter	Jack-up rig inverted and sank on location.	55	150
K	MP 306	Platform D	G01667	129.6	106.0	23.6	106 bbl Crude Oil, 12 bbl Diesel, 12 bbl Other Petroleum	Noble Energy Inc.	Platform toppled/ destroyed.	29	255
R	SM 146	Drill Rig Rowan Rig Ft. Worth	G09546	1,494.0	-	1,494.0	1,494 bbl Diesel	Hunt Petroleum (AEC) Inc.	Rig's legs collapsed and hull floated off location. Hull not located as of July 1, 2006 even though more than 1,200 square miles have been searched.	79	232
K	SP 057	Segment #5773 10" BLKO pipeline	G02940	132.0	132.0	-	132 bbl Crude Oil & 693 mcf Natural Gas	Chevron U.S.A. Inc.	Mudslide, line separated, 3,068' of 10" pipeline needed to be replaced.	7	210
K	SP 062	Platform A	G02194	194.7	180.0	14.7	180 bbl Crude Oil, 15 bbl Other Petroleum & 46 mcf Natural Gas	Apache Corporation	Platform toppled/ destroyed.	17	340
K	SP 062	Segment #3968 8" OIL pipeline	G01294	50.0	50.0	-	50 bbl Crude Oil	Chevron U.S.A. Inc.		17	340
K	SP 062	Platform B	G01294	110.5	85.0	25.5	85 bbl Crude Oil, 23 bbl Lube Oil, 3 bbl Other Petroleum & 51 mcf Natural Gas	Apache Corporation	Platform toppled/ destroyed.	17	322
K	SP 077	Segment #15049 10" BLKO pipeline	G02184	55.0	55.0	-	55 bbl Crude Oil	Chevron U.S.A. Inc.	10" riser parted at C structure	7	240
USCG SPILL SIZES			MINOR	Under 10,000 gal (< 238 bbl)		MEDIUM	10,000 gal to < 100,000 gal (238 bbl to < 2,381 bbl)	MAJOR	100,000 gal (2,381 bbl) and Greater		

**APPENDIX A: Petroleum Spills from Federal OCS Facilities of 50 bbl or Greater Resulting
from Damages Caused by Hurricanes Katrina and Rita in 2005**

8/8/2006

Hurricane	Area Block	Structure	Lease	Total Petroleum (bbl)	Crude Oil & Condensate (bbl)	Refined Petroleum (bbl)	Products	Operator	Damage	Distance Miles	Depth Feet
R	SS 248	Segment #5902 4" OIL pipeline	G01029	75.0	75.0	-	75 bbl Crude Oil	Dominion E & P Inc.	A section of the riser on the SS 248 D structure broke loose.	59	180
R	SS 250	Drill Rig Rowan Rig Odessa	G27132	1,571.7	-	1,571.7	1,411 bbl Diesel, 161 bbl Other Petroleum	Remington Oil & Gas Corporation	Jack-up rig's legs collapsed and hull floated off location. Hull found 6 miles from original location in SS 247.	69	182
K	ST 036	Segment # 15118 6"-8" BLKG pipeline	G02624	50.0	50.0	-	50 bbl Condensate	Chevron U.S.A. Inc.	Pipeline parted	7	48
K	ST 135	Platform M	00462	51.2	47.6	3.6	48 bbl Crude Oil, 3 bbl Other Petroleum	Chevron U.S.A. Inc.	Platform toppled/ destroyed.	29	116
K	ST 151	Platform G	00463	101.1	47.6	53.5	48 bbl Crude Oil, 50 bbl Aviation Fuel, 3 bbl Other Petroleum	Chevron U.S.A. Inc.	Platform toppled/ destroyed.	32	137
K	ST 151	Platform I	00463	51.2	47.6	3.6	48 bbl Crude Oil, 3 bbl Other Oil	Chevron U.S.A. Inc.	Platform toppled/ destroyed.	32	128
K	ST 151	Platform O	00463	50.0	47.6	2.4	48 bbl Crude Oil, 2 bbl Other Petroleum	Chevron U.S.A. Inc.	Platform toppled/ destroyed.	32	137
K	ST 161	Platform A	G01248	51.2	50.0	1.2	50 bbl Crude Oil, 1 bbl Other Petroleum & 43 mcf Natural Gas	Apache Corporation	Platform toppled/ destroyed.	32	117
K	ST 176	Platform A	G01259	97.4	95.2	2.1	95 bbl Crude Oil, 2 bbl Other Petroleum	Chevron U.S.A. Inc.	Platform toppled/ destroyed.	35	140
R	VR 249	Segment # 3105 8" OIL pipeline	G06678	862.0	862.0	-	862 bbl Crude Oil	Shell Pipeline Company	8" oil Pipeline fully severed by drill rig anchor drag. The volume is a WORST CASE ESTIMATE of 100% capacity and 100% loss.	86	141
R	VR 255	Segment #11493 12 " OIL pipeline	G01152	66.5	66.5	-	67 bbl Crude Oil	Shell Pipeline Company	12" riser was severed when the VR 255 B platform was toppled.	68	152
R	VR 313	Segment #5220 6" OIL pipeline	G01172	108.0	108.0	-	108 bbl Crude Oil	Dominion E & P Inc.	The Vermilion pipelines went down with the VR 313 A platform when it was toppled.	85	202
K	WD 094	Platform G	00839	307.0	307.0	-	307 bbl Hydrocarbons from topside	BP America Production Company	Platform toppled/ destroyed	27	153
K	WD 103	Platform A	00840	70.8	50.0	20.8	50 bbl Crude Oil, 21 bbl Diesel & Lube Oil & 37 mcf Natural Gas	Apache Corporation	Platform toppled/ destroyed	16	223
K	WD 104	Platform C	00841	158.6	130.0	28.6	130 bbl Crude Oil, 10 bbl Diesel, 19 bbl Lube Oil	Apache Corporation	Platform toppled/ destroyed	14	228
K	WD 133	Platform B	G01106	93.7	75.0	18.7	75 bbl Crude Oil, 7 bbl Diesel, 10 bbl Lube Oil, 2 bbl Other Petroleum	Apache Corporation	Platform toppled/ destroyed	35	285
16,846.0				12,505.2	4,340.7	TOTALS					

USCG SPILL SIZES	MINOR	Under 10,000 gal (< 238 bbl)	MEDIUM	10,000 gal to < 100,000 gal (238 bbl to < 2,381 bbl)	MAJOR	100,000 gal (2,381 bbl) and Greater	
-------------------------	--------------	------------------------------	---------------	--	--------------	-------------------------------------	--